

# RECORDS OF SOUTH PACIFIC DRAGONFLIES (HEXAPODA: ODONATA)

K.A.J. WISE

AUCKLAND INSTITUTE AND MUSEUM

*Abstract.* Species of South Pacific Odonata represented in the Auckland Museum collections are recorded. Included are species from Norfolk Island, Fiji (particularly the Lau Group) and the Cook Islands.

In this paper, specimens of South Pacific Odonata in the Auckland Museum are recorded: species from Norfolk Island, Fiji and Cook Islands are represented.

Amongst the C.E. Clarke collections in the Museum is a small collection of dragonflies taken in Rarotonga, Cook Islands, in 1937. These were determined by M.A. Lieftinck, at the author's request, in 1966. Subsequently the author has collected during two Royal Society of New Zealand expeditions — the Cook Bicentennial Expedition of 1969 to the Cook Islands (Wise 1971) and the South Pacific Expedition of 1977 to the Lau Group of the Fiji Islands (Wise 1978). A small collection of Norfolk Island specimens was made for the Museum by Mrs Beryl Evans in 1975.

The Odonata of Norfolk Island have been recorded by Kimmins (1941) and Smithers (1976). Tillyard (1924) wrote on the Odonata of Fiji and dealt with all the then known species. Lieftinck (1975) has recorded Norfolk I and Fijian species in relation to the New Caledonia fauna and his nomenclature is followed here for species concerned. Lieftinck (1953) and, more recently, Walker & Deitz (1979) have recorded Odonata in the Cook Islands. Other records, for all island groups, have been listed by Schmidt (1938).

## ORDER ODONATA

### SUBORDER ZYGOPTERA

#### Family COENAGRIONIDAE

#### Genus *Ischnura* de Charpentier, 1840

#### *Ischnura aurora aurora* (Brauer, 1865)

COOK IS. Aitutaki: Maungapu, swept by road, ca. 1-30 m, 2.IX.1969, (1♀), K.A.J.W. Rarotonga: Avatiu Vy., 13.IX.1969, (2♂♂1♀), K.A.J.W.

Genus **Agriocnemis** de Selys Longchamps, 1877**Agriocnemis exsudans exsudans** de Selys Longchamps, 1877

NORFOLK I. Norfolk: Locality 261046, 7.XII.1975, (3♂♂ 1♀), Beryl Evans.

LAU IS. Lakeba: Tubou Vy., swept by stream, 23.VI.1977, (1♂), Waciwaci-Waitabu, over water in ditch, 28.VI.1977, (6♂♂), Top of Tubou Vy., over irrigation ditches, 30.VI.1977, (3♂♂), K.A.J.W.

## SUBORDER ANISOPTERA

## Family AESHNIDAE

Genus **Aeshna** Fabricius, 1775**Aeshna brevistyla** Rambur, 1842

NORFOLK I. Norfolk: Locality 261046, 7.XII.1975, (2♂♂), Beryl Evans.

Genus **Anax** Leach, 1815**Anax guttatus** (Burmeister, 1839)

COOK IS. Rarotonga: -.VII.1937, (1♂), 11. XI.1937, (1♂), C.E. Clarke.

## Family CORDULIIDAE

Genus **Hemicordulia** de Selys Longchamps, 1870**Hemicordulia australiae** (Rambur, 1842)

NORFOLK I. Norfolk: Locality 264043, 7.XII.1975, (5♂♂), Beryl Evans.

**Hemicordulia** sp.? **hilaris** Lieftinck, 1975

LAU IS. Lakeba: Top of Tubou Vy., flying at dusk, 30.VI.1977, (1♀), K.A.J.W.

**Hemicordulia** sp. near **hilaris**

COOK IS. Rarotonga: Te Kou, in summit basin ca. 558 m, 16.IX.1969, (1♂), K.A.J.W. Atiu: 24.IX.1969, (1♀), K.A.J.W.

## Family LIBELLULIDAE

Genus **Lathrecista** Kirby, 1889**Lathrecista asiatica festa** (de Selys Longchamps, 1879)

LAU IS. Lakeba: Top of Waitabu Vy., in forest, 28.VI.1977, (1♂), K.A.J.W.

Genus **Orthetrum** Newman, 1833**Orthetrum sabina** (Drury, 1770)

LAU IS. Lakeba: Waitabu, over stream, 28.VI.1977, (1♂), K.A.J.W.

Genus **Diplacodes** Kirby, 1889**Diplacodes bipunctata** (Brauer, 1865)

LAU IS. Lakeba: Waitabu, over stream, 28.VI.1977, (2♂♂), K.A.J.W.

COOK IS. Rarotonga: 5.IX.1937, (1♂), C.E. Clarke; Takuvaine Vy., 10.IX.1969, (3♂♂), K.A.J.W. Atiu: 24.IX.1969, (1♂), K.A.J.W. Mangaia: 25.IX.1969, (1♂ 1♀), K.A.J.W.

**Diplacodes trivialis** (Rambur, 1842)

LAU IS. Lakeba: Waitabu, over stream, 28.VI.1977, (4♂♂ 3♀♀), K.A.J.W.

Genus **Tholymis** Hagen, 1867**Tholymis tillarga** (Fabricius, 1798)

FIJI. Viti Levu: Suva, 20.VI.1977, (1♂), K.A.J.W.

COOK IS. Rarotonga: -.VII.1937, (1♂), 5.IX.1937 (1♂), C.E. Clarke.

Genus **Pantala** Hagen, 1861**Pantala flavescens** (Fabricius, 1798)

LAU IS. Lakeba: Tubou, 29.VI.1977, (2♂♂ 1♀), K.A.J.W.

COOK IS. Aitutaki: Maungapu ridge, ca. 91 m, 28.VIII.1969, (1♀), Te Kopua (islet), 29.VIII.1969, (3♂♂), K.A.J.W. Rarotonga: -.VII.1937, (1♀), 5.IX.1937, (1♂), C.E. Clarke; Takuvaine Vy., 10.IX.1969, (1♂), Ngatangia, 12.IX.1969, (1♀), S. rim Te Kou, ca. 588 m, 16.IX.1969, (1♂), Avana Vy., 18.IX.1969, (1♂ 1♀), K.A.J.W.

Genus *Tramea* Hagen, 1861*Tramea transmarina* Brauer, 1867

COOK IS. Rarotonga: 16.XII.1937, (1♂), C.E. Clarke.

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